

WHAT IS CLAIMED IS:

- 1           1.     A door arrangement for a switchgear enclosure, the  
2 enclosure having a top and bottom panel, a back panel and two opposing  
3 side panels and including an interior framework supporting a draw-out  
4 circuit breaker, the door arrangement comprising:  
5                 a front extension coupled to the enclosure;  
6                 an exterior door pivotally mounted to the front extension at  
7 an offset exterior door frame post and configured to move from one of a  
8 closed position and an open position on one side of the enclosure; and  
9                 a breaker door pivotally mounted to the interior framework  
10 and configured to move from one of a closed position and an open  
11 position on another side of the enclosure and clear of the offset exterior  
12 door frame post.
- 1           2.     The door arrangement of claim 1, wherein the exterior door  
2 and breaker door open to more than ninety degrees from the respective  
3 closed positions.
- 1           3.     The door arrangement of claim 1, wherein the front  
2 extension allows the exterior door to be closed with the circuit breaker in  
3 a disconnected position.
- 1           4.     The door arrangement of claim 1, wherein the front  
2 extension allows the breaker door to open clear of the exterior door.
- 1           5.     The door arrangement of claim 1, wherein the exterior door  
2 opens to more than ninety degrees from the closed position to allow one  
3 of the installation and removal of the circuit breaker.

1           6.     The door arrangement of claim 1, wherein the front  
2 extension is integrally formed with the enclosure.

1           7.     A switchgear enclosure for a draw-out circuit breaker, the  
2 enclosure comprising:  
3                 structure having a top panel coupled to a bottom panel with  
4 a back panel coupled to two opposing side panels defining an interior  
5 space;  
6                 a framework mounted in the interior space of the structure  
7 and configured to support a circuit breaker;  
8                 a front extension coupled to the structure;  
9                 an exterior door pivotally mounted to the front extension at  
10 an offset exterior door frame post and configured to move from one of a  
11 closed position and an open position on one side of the structure; and  
12                 a breaker door pivotally mounted to the interior frame work  
13 and configured to move from one of a closed position and an open  
14 position on another side of the structure and move clear of the offset  
15 exterior door frame post.

1           8.     The switchgear enclosure of claim 7, wherein the exterior  
2 door and breaker door open to more than ninety degrees from the  
3 respective closed positions.

1           9.     The switchgear enclosure of claim 7, wherein the front  
2 extension allows the exterior door to be closed with the circuit breaker in  
3 a disconnected position.

1           10.    The switchgear enclosure of claim 7, wherein the front  
2 extension allows the breaker door to open clear of the exterior door.

1           11.    The switchgear enclosure of claim 7, wherein the exterior  
2 door opens to more than ninety degrees from the closed position to allow  
3 one of the installation and removal of the circuit breaker.

1           12.    The switchgear enclosure of claim 7, wherein the front  
2 extension is integrally formed with the structure.

1           13.    A method of housing a circuit breaker, the method  
2 comprising the steps of:  
3                   providing an enclosure defining an interior space;  
4                   providing a framework configured to support the circuit  
5 breaker;  
6                   mounting the framework in the interior space;  
7                   providing a front extension;  
8                   coupling the front extension to the enclosure;  
9                   providing an exterior door configured to move from one of a  
10 closed position and an open position;  
11                  providing an offset exterior door frame post;  
12                  mounting the exterior door on the offset exterior door frame  
13 post at one side of the enclosure;  
14                  providing a breaker door configured to move from one of a  
15 closed position and an open position;  
16                  mounting the breaker door on another side of the enclosure;  
17                  mounting the circuit breaker on the framework.

1           14.    The method of housing a circuit breaker of claim 13, wherein  
2 the exterior door and breaker door open to more than ninety degrees from  
3 the respective closed positions.

1           15.    The method of housing a circuit breaker of claim 13, wherein  
2   the front extension allows the exterior door to be closed with the circuit  
3   breaker in a disconnected position.

1           16.    The method of housing a circuit breaker of claim 13, wherein  
2   the front extension and offset exterior door frame post allows the breaker  
3   door to open clear of the exterior door.

1           17.    The method of housing a circuit breaker of claim 13, wherein  
2   the exterior door opens to more than ninety degrees from the closed  
3   position to allow one of the installation and removal of the circuit breaker.

1           18.    The method of housing a circuit breaker of claim 13, wherein  
2   the front extension is integrally formed with the structure.

1           19.    The method of housing a circuit breaker of claim 13,  
2   including the steps of moving the circuit breaker to a disconnected  
3   position and closing the exterior door while the breaker is in the  
4   disconnected position.